

Fill out each lift plan worksheet completely and provide all required supporting documents to expedite the review of the proposed lift plan

Section 1		
Please fill out completely.	Note: Any changes in the crane configuration, placement, rigging lifting, lifting scheme or calculations may req	quire that a new
	Lift Plan be developed.	
Project Name:		
Company Name:	Date:	
/	Dute.	
Location of Lift:		
Specify the project		
name as described in	Specify the major facility the operation	
the contracting documents.	will take place and where, with reference	
	to the facility the operation will take place.	8
Section 2		
Description of Lift: (Goal of	f operation, how operation will be performed, where it will occur)	
Provide: A summary of what is		
the goal of the operation. How the operation will be performed.		
Where it will occur.		
Section 3		
Please Check Off & Include the Foll		
Written Lift Description (abo	ve) Rigging sketch w/component detail	
Orientation of Crane to the Lo	oad - sketch	
Sketch showing C/G of Load	- side view	
Overhead view of Operation	- sketch	
CRANE'S LOAD CHART, WITH	A APPLICABLE WEIGHTS/HIGHLIGHTED ATTACHED.	
Purpose: provide documents	to the lift plan. The sketches may be hand drawn. The operation area	

Purpose: provide documents to the lift plan. The sketches may be hand drawn. The operation area sketches should show the dimensions of the crane's foot print and relative distances to pick up and set points. The rigging sketches should show sling lengths, angles and capacities of components including attach points.



Section 4
Crane Configuration
Crane Manufacturer
Section 5
Determining Gross Capacity (from Load Chart)
Max Load Radius: ft. or Angle Pick-up: ft. or Angle Set-down: ft. or Angle
Crane Capacity at max. Radius: Over rear (lbs):Over front (lbs):Over front (lbs):
Maximum boom length for operation (ft.):
Required Counterweight: Weight (in lbs):
Gross Capacity:
Provide the most limiting gross capacity based on the boom length and radius at the pick-up or set-down locations whichever is more limiting. List radius in feet or boom angle depending on which the manufactures uses in their capacity chart. Section 6 Hoist Capacity
Rope diameter & type: Wire rope limit (in lbs): Line pull per part:
Number of parts:
Hoist Capacity:
List the diameter and type of wire rope of parts of line. Provide the limits of the the layers of wire rope on the drum usually the most restrictive last unless special combination. List the line pull based on the layers of wire rope on the drum usually the last unless special circumstances exist.



Section 7	
Rigging	
Rigging connection to load: Fixed point Free connection	Connection point capacity:
Lifting beam/Spreader required: Yes No Sling Material:	
Minimum sling angle (deg)/Beam/Spreader capacity:	
	nnecting hardware capacity (lbs):
Is the load capable of absorbing the additional lateral loading? Yes	Total Pigging weight:
Fixed points are	
eyebolts, hoist rings, or pad eyes. Free connections are Will the load be	Rated capacity of connection on the load
Slings choked around able to absorb the	Rigging weight includes
the load or used in a compressional The purpose of this basket hitch. loading imparted	weight of slings, connection hardware, chain falls or come-
section is to identify by load angle the rigging element factor?	a-longs and lifting/spreader beam weights.
that has highest	List load on sling carrying maximum
loading as a percent of that components	force
capacity.	
Section 8	
Total Gross Load	
10tal 610332044	
Total Deductions from Canacity	Dadustiana
Total Deductions from Capacity Wire rope in excess of rated capacity for lift (ft.):	Deductions Rlock Weight:
Wire rope in excess of rated capacity for lift (ft.):	Block Weight:
Wire rope in excess of rated capacity for lift (ft.): Wire Rope below Grade (ft.): Wire rope weight:	Block Weight: Over Haul Ball Weight:
Wire rope in excess of rated capacity for lift (ft.): Wire Rope below Grade (ft.): Wire rope weight:	Block Weight: Over Haul Ball Weight: Auxiliary Boom Head: Ext. or Jib Weight:
Wire rope in excess of rated capacity for lift (ft.): Wire Rope below Grade (ft.): Wire rope weight: Net Load Weight Load weight include method of determining load weight, if estimated - spec	Block Weight: Over Haul Ball Weight: Auxiliary Boom Head: Ext. or Jib Weight:
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Section 9					
9. Area of Operations					
Crane ground bearing pressure (psf.):		Outrigger matting	g / blocks req: Yes	☐ No	
Matting necessary for ground conditions (dimensions):	Wheel m	ounted crane: Traveling v	w/boom erected?	☐ No
Max Boom Length for Travel (based on Ma	nufacturers limita <mark>t</mark> io	ons):			
Clearance from Overhead Obstructions (ft.	:		Swing Clearance: G	Greater than 2 ft.	
Head room requirements:	Head room remai	ning:	Overhead Powe	erlines: Yes No	
structure and projections (guardrails, HVAC units where the load is going to or coming from plus the load, rigging, and load block heights subtracted from boom point elevation. All these elevations should be provide with the supporting documents. Matting capable of surface be and mattin	the maximum and bearing the crane will with proposed natting g necessary based on the sustaining without subsi aring capacity should be g selection. Note: Outrig terial that is sufficient st load evenly acr	iding. Underground u e identified to allow p gger or crawler mats	tilities that could affect roper crane placement should be hardwood or to distribute the cranes	what owed	f
Section 10					
WindLimitations					
Record Crane wind restriction from the load	chart:		Maximum wind allowabl	e with load:	
		e typically reflects the m wind allowed with no load	lo al	his value calculated the sail area of to ad and reflects the maximum wind llowed that will not exceed the side l mits specified by the crane manufact	oad
Section 11					
Crew					
How many personnel are required, what are their j	obs, where will they be	located, and what	actions should they take in t	he event of foreseeable emergenc	ies?
Lifting Supervisor:					
Signature:					